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Suba

1. A homing missile comprising a target tracker and drive motor means for producing relative movement of members comprised in the missile including control members for steering the missile in a lateral direction, the missile being such that said target tracker has a field-of-view which is restricted at any instant to less than an all-round field-of-view and, to compensate for said restriction, said drive motor means is operable for rotating the said restricted field-of-view with respect to the missile roll axis, for example by controlling roll of the missile itself, the missile further comprising a control system connected between said target tracker and said drive motor means and including look-angle demand signal deriving means for deriving signals indicative of desired positions of a target relative to the missile, said signals including lateral steering signals and also including angle signals indicative of the angular arguments of the polar coordinates of said desired position, first limiting means connected to said signal deriving means to receive said angle signal and for limiting these signals to between two limit values, signal processing means for receiving said limited angle signals and for forming therefrom signals for controlling the rotation of said field-of-view by said drive means, second

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limiting means for receiving said lateral steering signals and limiting them to less than a limit value, and combining means connected to said first and second limiting means and said drive motor means and operable for combining the limited angle signals and the limited lateral steering signals to form steering control signals for controlling lateral steering of the missile.

add E1

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